

JECINTA ONYINYECHI UMEOHANA

Cloud DevOps Engineer

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PROFESSIONAL SUMMARY

Results-driven Cloud DevOps Engineer with 1.5+ years of intensive technical training and hands-on project experience designing and deploying scalable cloud infrastructure on AWS. Demonstrated expertise in Infrastructure as Code (IaC) using Terraform, containerization with Docker and Kubernetes, CI/CD pipeline automation, and configuration management with Ansible. Proven ability to architect secure, fault-tolerant, and cost-effective cloud solutions — including a 40% reduction in operational costs and 75% reduction in deployment time — and to deliver complete, production-grade deployments end-to-end, from custom domain and SSL configuration through automated rollback-capable CI/CD pipelines. A strong problem-solver who learns new technologies quickly and communicates effectively across collaborative, cross-functional teams. Pursuing AWS Certified Solutions Architect certification.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, VPC, S3, Lambda, CloudFront, DynamoDB, API Gateway, Route 53, ALB, Auto Scaling Groups, Security Groups, IAM, NAT Gateway, CloudWatch)

IaC & Config Mgmt: Terraform, Ansible, HCL, YAML, JSON, Infrastructure Automation, Version Control

Containers: Docker, Kubernetes, Docker Compose, Container Management, Nginx Load Balancing & Reverse Proxy

CI/CD: GitHub Actions, Pipeline Automation, Automated Health Checks & Rollback

Scripting & OS: Bash Scripting, Shell Scripting, Linux (Ubuntu), Automation Scripts

Architecture: Serverless, Microservices, 2-Tier, 3-Tier, High Availability, Disaster Recovery, Security Best Practices

Web & APIs: Nginx (Reverse Proxy & Load Balancing), RESTful APIs, JWT Authentication, Serverless Architecture, Static Site Hosting, Custom Domain & SSL/TLS (Cloudflare Origin Certificates, DNS)

Databases & Registries: PostgreSQL, DynamoDB, Docker Hub (Container Image Registry)

Soft Skills: Cloud Architecture Design, Cost Optimization, Technical Documentation, Cross-Functional Collaboration, Continuous Learning

PROFESSIONAL EXPERIENCE

Cloud Engineer Intern | Neocloud Technologies

2025

- Completed a hands-on Cloud Engineering internship covering AWS fundamentals, Infrastructure as Code, and serverless architecture, alongside the NC 03 Cloud Computing certification
- Contributed to three assigned cloud infrastructure projects under mentorship — a Terraform-provisioned 2-tier web app, a serverless e-commerce platform, and automated S3/DynamoDB data replication (full breakdown under Technical Projects)

TECHNICAL PROJECTS

DevOps Engineer — Containerized 3-Tier Application Deployment (React/Django/PostgreSQL) | Collaborative Project (Contributor)

2026

- Deployed a containerized React (Vite), Django REST Framework, and PostgreSQL application to AWS EC2 inside a custom VPC public subnet, orchestrating all three services with Docker Compose
- Migrated CI/CD to a Docker Hub image-registry pattern: a GitHub Actions job builds and pushes SHA-tagged backend/frontend images, then a second job pulls and runs the pre-built images on EC2 — removing all on-server builds
- Built automated health checks with image-tag-based rollback, tracking a persisted "last known good" reference so failed deploys are detected and reverted without manual intervention
- Secured the application end-to-end with a Cloudflare Origin Certificate in Full (Strict) mode, scoped via a Page Rule to a single subdomain to avoid impacting other hosted sites on the account
- Configured Nginx as a reverse proxy routing frontend and API traffic, diagnosing and fixing a proxy_pass path-stripping bug that was causing 404s on API routes
- Resolved cross-service issues spanning environment-variable propagation, database initialization ordering, and container startup race conditions, and allocated an Elastic IP with least-privilege security group rules (SSH, HTTP, HTTPS only)

Technologies: Docker · Docker Compose · Docker Hub · AWS EC2 · Custom VPC · Nginx · Cloudflare (Origin Cert/DNS) · GitHub Actions · React · Django REST Framework · PostgreSQL · JWT Auth

Cloud Engineer — Portfolio Site CI/CD Automation (jecintatechworks.com) | Self-Directed Project 2026

- Deployed personal portfolio site to Cloudflare Workers, progressing from manual uploads to Git-based integration to a self-written GitHub Actions pipeline authenticated via a least-privilege-scoped Cloudflare API token stored as an encrypted GitHub Secret
- Extended the pipeline into a Test → Deploy workflow by adding an automated HTML validation gate (html5validator) that blocks deployment on invalid markup, catching a real broken image path on its first production run before it reached the live site
- Diagnosed and resolved real production deployment issues including stale DNS A-records from a decommissioned EC2 project, a Wrangler version mismatch causing CI build failures, and an asset-directory misconfiguration causing oversized deploy uploads

Technologies: Cloudflare Workers · Wrangler CLI · GitHub Actions · GitHub Secrets · DNS · html5validator · Infrastructure as Code

DevOps Engineer — Django Deployment with Ansible (Bare-Metal, No Containers) | Self-Directed Technical Project 2026

- Built an Ansible playbook provisioning a containerless Ubuntu EC2 server for a Django app, installing Gunicorn and dependencies into an isolated Python virtual environment (PEP 668-compliant) rather than system-wide
- Configured Gunicorn as a systemd service bound to localhost only behind an Nginx reverse proxy, pinned versions for reproducible deploys, and used Ansible handlers so services restart only on actual config changes
- Scoped file permissions to least privilege and debugged real issues end-to-end: a private-subnet SSH routing block, a git branch mismatch, and a PEP 668 pip restriction requiring a venv redesign

Technologies: Ansible · systemd · Gunicorn · Nginx · Python (venv) · AWS EC2 · Git

DevOps Engineer — AWS 2-Tier Web Application Infrastructure | Neocloud Technologies (Internship Project) 2025

- Architected and deployed a fault-tolerant 2-tier AWS infrastructure with Terraform, provisioning 20+ resources across a multi-AZ VPC with public/private subnets, Auto Scaling Groups (2–4 instances, 99.9% availability), and dual ALBs
- Enforced least-privilege security groups between tiers and automated EC2 bootstrapping via Bash userdata, cutting deployment time by 75%; added CloudWatch alarms/dashboards for proactive monitoring

Technologies: Terraform · AWS (EC2, VPC, ALB, Auto Scaling, IAM, CloudWatch) · Nginx · Bash

Cloud Solutions Engineer — Serverless E-Commerce Platform | Neocloud Technologies (Internship Project) 2025

- Built a fully serverless e-commerce platform on CloudFront, S3, DynamoDB, Lambda, API Gateway, and Route 53, cutting operational costs 40% via pay-per-use pricing and reducing latency 30% through CDN caching
- Developed RESTful APIs with Lambda/API Gateway and configured DynamoDB for low-latency, auto-scaling NoSQL storage across multi-region traffic

Technologies: AWS (CloudFront, S3, DynamoDB, Lambda, API Gateway, Route 53) · Serverless · RESTful APIs

Cloud Data Management & Replication | Neocloud Technologies (Internship Project) 2025

- Engineered event-driven data pipelines syncing S3 and DynamoDB via AWS CLI/Lambda, with S3 Cross-Region Replication for disaster recovery and data durability

Technologies: AWS CLI · Lambda · S3 Cross-Region Replication

ADDITIONAL PROJECTS

- Kubernetes Container Orchestration (In Progress) — learning pod management, service discovery, and horizontal scaling

EDUCATION

Bachelor of Science in Business Administration

Graduated: 2023

Nnamdi Azikiwe University, Awka, Anambra State, Nigeria

Relevant Competencies: Project Management, Business Process Optimization, Data Analysis, Strategic Planning, Cross-Functional Team Collaboration

CERTIFICATIONS & CONTINUOUS LEARNING

- AWS Certified Solutions Architect — In Progress
- NC 03 - Cloud Computing | Neocloud Technologies — September 2025